

# 6

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/925,641

DATE: 03/25/2003

TIME: 12:39:42

Input Set : A:\06275-265001.TXT

Output Set: N:\CRF4\03252003\I925641.raw

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4 <110> APPLICANT: Cresswell , Carl John
5   Dudley, Adam Jeston
7 <120> TITLE OF INVENTION: CHEMICAL COMPOUNDS
10 <130> FILE REFERENCE: 06275-265001
12 <140> CURRENT APPLICATION NUMBER: US 09/925,641
13 <141> CURRENT FILING DATE: 2001-08-10
15 <150> PRIOR APPLICATION NUMBER: US 60/233,624
16 <151> PRIOR FILING DATE: 2000-09-13
18 <150> PRIOR APPLICATION NUMBER: GB 0020544.3
19 <151> PRIOR FILING DATE: 2000-08-22
21 <160> NUMBER OF SEQ ID NOS: 16
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 15
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Primer
33 <400> SEQUENCE: 1
34 accagcagtt ggagg                                     15
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 15
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Primer
44 <400> SEQUENCE: 2
45 gtttagtagc aagcc                                     15
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48 <211> LENGTH: 15
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Primer
55 <400> SEQUENCE: 3
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59 <211> LENGTH: 15
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Primer
66 <400> SEQUENCE: 4

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67 cccatagatg gtcgg	15
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71 <212> TYPE: DNA	
72 <213> ORGANISM: Artificial Sequence	
74 <220> FEATURE:	
75 <223> OTHER INFORMATION: Primer	
77 <400> SEQUENCE: 5	15
78 attcaccac agagg	
80 <210> SEQ ID NO: 6	
81 <211> LENGTH: 15	
82 <212> TYPE: DNA	
83 <213> ORGANISM: Artificial Sequence	
85 <220> FEATURE:	
86 <223> OTHER INFORMATION: Primer	
88 <400> SEQUENCE: 6	15
89 caacatctat actgg	
91 <210> SEQ ID NO: 7	
92 <211> LENGTH: 15	
93 <212> TYPE: DNA	
94 <213> ORGANISM: Artificial Sequence	
96 <220> FEATURE:	
97 <223> OTHER INFORMATION: Primer	
99 <400> SEQUENCE: 7	15
100 caatgacatg tatgg	
102 <210> SEQ ID NO: 8	
103 <211> LENGTH: 15	
104 <212> TYPE: DNA	
105 <213> ORGANISM: Artificial Sequence	
107 <220> FEATURE:	
108 <223> OTHER INFORMATION: Primer	
110 <400> SEQUENCE: 8	15
111 taaggctctc tagag	
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114 <211> LENGTH: 15	
115 <212> TYPE: DNA	
116 <213> ORGANISM: Artificial Sequence	
118 <220> FEATURE:	
119 <223> OTHER INFORMATION: Primer	
121 <400> SEQUENCE: 9	15
122 cttaccaata gcctg	
124 <210> SEQ ID NO: 10	
125 <211> LENGTH: 15	
126 <212> TYPE: DNA	
127 <213> ORGANISM: Artificial Sequence	
129 <220> FEATURE:	
130 <223> OTHER INFORMATION: Primer	
132 <400> SEQUENCE: 10	15
133 gtgtctagaa cagcc	

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135 <210> SEQ ID NO: 11
136 <211> LENGTH: 14
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Primer
143 <400> SEQUENCE: 11
144 agtagatttc tggc
146 <210> SEQ ID NO: 12
147 <211> LENGTH: 15
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Primer
154 <400> SEQUENCE: 12
155 cacatagcac taagc
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 2578
159 <212> TYPE: DNA
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 13
163 tctacactta aaatgccacc agcagttgga ggtccagttg gatacacccc cccagatgga 60
164 ggctggggct gggcagtggt aattggagct ttcatttcca tcgggttctc ttatgcattt 120
165 cccaaatcaa ttactgtctt cttcaaagag attgaaggta tattccatgc caccaccagc 180
166 gaagtgtcat ggatattctc cataatggtg gctgtcatgt atgggtggagg tcctatcagc 240
167 agtatcctgg tgaataaata tggaaagtcgt atagtcatga ttggttggtg ctgcttgta 300
168 ggctgtggct tgattgcagc ttctttctgt aacaccgtac agcaactata cgtctgtatt 360
169 ggagtcattg gaggtcttgg gcttgccttc aacttgaatc cagctctgac catgattggc 420
170 aagtatttct acaagaggcg accattggcc aacggactgg ccatggcagg cagccctgtg 480
171 ttctctgtga ctctggcccc cctcaatcag gttttcttcg gtatcttttg atggagagga 540
172 agcttttctaa ttcttggggg cttgctacta aactgctgtg ttgctggagc cctcatgcga 600
173 ccaatcgggc ccaagccaac caaggcaggg aaagataagt ctaaagcatc ccttgagaaa 660
174 gctggaaaat ctgggtgtgaa aaaagatctg catgatgcaa atacagatct tattggaaga 720
175 caccctaaac aagagaaacg atcagtcctc caaacaatta atcagttcct ggacttaacc 780
176 ctattcaccc acagaggctt ttgctatac ctctctggaa atgtgatcat gttttttgga 840
177 ctctttgcac ctttggtgtt tcttagtagt tatgggaaga gtcagcatta ttctagttag 900
178 aagtctgcct tccttctttc cattctggct tttgttgaca tggtagcccg accatctatg 960
179 ggacttgtag ccaacacaaa gccaaataaga cctcgaattc agtatctctt tgcggcttcc 1020
180 gttgttgcaa atggagtgtg tcatatgcta gcacctttat ccaactaccta tgttgattc 1080
181 tgtgtctatg cgggattctt tggatttgcc ttcgggtggc tcagctccgt attgtttgaa 1140
182 acattgatgg acctgtttgg accccagagg ttctccagcg ctgtgggatt ggtgaccatt 1200
183 gtggaatgct gtctgtctct cctggggcca ccacttttag gtcggctcaa tgacatgtat 1260
184 ggagactaca aatacacata ctgggcatgt ggcgtcgtcc taattatttc aggtatctat 1320
185 ctcttcattg gcatgggcat caattatcga cttttggcaa aagaacagaa agcaaacgag 1380
186 cagaaaaagg aaagtaaaga ggaagagacc agtatagatg ttgctgggaa gccaaatgaa 1440
187 gttacaaaaa cagcagaatc tccggaccag aaagacacag aaggagggcc caaggaggag 1500
188 gaaagtccag tctgaatcca tggggctgaa gggtaaattg agcagttcat gaccaggat 1560
189 atctgaaaat attctactgg cctgtaatct accagtggtg ctcaatgcaa atagtagaca 1620
190 tttgtgtgga aatcatacca gttgttcatt gatgggattt ttgtttgact ccttaccaat 1680

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191 agcctgaatt tgaggaggga atgattggta gcaaaggatg ggggaaagaa gtaggttctg 1740
192 ttttgttttg ttttaattctt agcttttaaat agtgtcataa agattataat atgtgcctta 1800
193 agtttttagtc tttagaactc tagagagcct taactttctta aaccattttt gctgaattca 1860
194 tctattttcga gtgttggtgtt aaaaggaaaa ataacaacta acttgtttga ggcaaattca 1920
195 aaattttaaaa ttaattcttgc ttcatgttta catgtaatat atttcagaca ttttcactgg 1980
196 aagattttatg aacagaaata ttggttgaaa gttagagatt ttacaaaatg ctgacaaaaa 2040
197 tatttttccta gcatcagtag atttctggca tatgtttctg ctagctatat atttaggaaa 2100
198 ttcaaagcat aaaacttttg caacatcttg gctgttctag acacagtga cttgtcaacc 2160
199 cctctcaggt accttttctt gggatgctta ttagaagcca agtaaaagtgc ttaaggtttg 2220
200 ttttcattaa attagctatt tctgctcccc tgttcaaaga tgcattttga gtgtttatag 2280
201 atcactgccc tttttgaaat cacctggtat tatttttctt actggaaaag ttagtattaa 2340
202 aatctacaga actacatatt tgtgcctcct tggtaaatac aacacatcta attaaatgta 2400
203 gacagatatt tcaaacaatca gctgaattca cttaagtttt tccaaaacct cagttaaaact 2460
204 gtgaagctat tggaattttt ttttctgga atttttcccc tttgattcac agtgggccca 2520
205 tttatatctg cttctagctt agtgctatgt gtgagatatg tgtgtgtttg gtgttttt 2578

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207 &lt;210&gt; SEQ ID NO: 14

208 &lt;211&gt; LENGTH: 500

209 &lt;212&gt; TYPE: PRT

210 &lt;213&gt; ORGANISM: Homo sapiens

212 &lt;400&gt; SEQUENCE: 14

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213 Met' Pro Pro Ala Val Gly Gly Pro Val Gly Tyr Thr Pro Pro Asp Gly
214 1 5 10 15
215 Gly Trp Gly Trp Ala Val Val Ile Gly Ala Phe Ile Ser Ile Gly Phe
216 20 25 30
217 Ser Tyr Ala Phe Pro Lys Ser Ile Thr Val Phe Phe Lys Glu Ile Glu
218 35 40 45
219 Gly Ile Phe His Ala Thr Thr Ser Glu Val Ser Trp Ile Ser Ser Ile
220 50 55 60
221 Met Leu Ala Val Met Tyr Gly Gly Gly Pro Ile Ser Ser Ile Leu Val
222 65 70 75 80
223 Asn Lys Tyr Gly Ser Arg Ile Val Met Ile Val Gly Gly Cys Leu Ser
224 85 90 95
225 Gly Cys Gly Leu Ile Ala Ala Ser Phe Cys Asn Thr Val Gln Gln Leu
226 100 105 110
227 Tyr Val Cys Ile Gly Val Ile Gly Gly Leu Gly Leu Ala Phe Asn Leu
228 115 120 125
229 Asn Pro Ala Leu Thr Met Ile Gly Lys Tyr Phe Tyr Lys Arg Arg Pro
230 130 135 140
231 Leu Ala Asn Gly Leu Ala Met Ala Gly Ser Pro Val Phe Leu Cys Thr
232 145 150 155 160
233 Leu Ala Pro Leu Asn Gln Val Phe Phe Gly Ile Phe Gly Trp Arg Gly
234 165 170 175
235 Ser Phe Leu Ile Leu Gly Gly Leu Leu Leu Asn Cys Cys Val Ala Gly
236 180 185 190
237 Ala Leu Met Arg Pro Ile Gly Pro Lys Pro Thr Lys Ala Gly Lys Asp
238 195 200 205
239 Lys Ser Lys Ala Ser Leu Glu Lys Ala Gly Lys Ser Gly Val Lys Lys
240 210 215 220
241 Asp Leu His Asp Ala Asn Thr Asp Leu Ile Gly Arg His Pro Lys Gln

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242 225          230          235          240
243 Glu Lys Arg Ser Val Phe Gln Thr Ile Asn Gln Phe Leu Asp Leu Thr
244          245          250          255
245 Leu Phe Thr His Arg Gly Phe Leu Leu Tyr Leu Ser Gly Asn Val Ile
246          260          265          270
247 Met Phe Phe Gly Leu Phe Ala Pro Leu Val Phe Leu Ser Ser Tyr Gly
248          275          280          285
249 Lys Ser Gln His Tyr Ser Ser Glu Lys Ser Ala Phe Leu Leu Ser Ile
250          290          295          300
251 Leu Ala Phe Val Asp Met Val Ala Arg Pro Ser Met Gly Leu Val Ala
252 305          310          315          320
253 Asn Thr Lys Pro Ile Arg Pro Arg Ile Gln Tyr Phe Phe Ala Ala Ser
254          325          330          335
255 Val Val Ala Asn Gly Val Cys His Met Leu Ala Pro Leu Ser Thr Thr
256          340          345          350
257 Tyr Val Gly Phe Cys Val Tyr Ala Gly Phe Phe Gly Phe Ala Phe Gly
258          355          360          365
259 Trp Leu Ser Ser Val Leu Phe Glu Thr Leu Met Asp Leu Val Gly Pro
260          370          375          380
261 Gln Arg Phe Ser Ser Ala Val Gly Leu Val Thr Ile Val Glu Cys Cys
262 385          390          395          400
263 Pro Val Leu Leu Gly Pro Pro Leu Leu Gly Arg Leu Asn Asp Met Tyr
264          405          410          415
265 Gly Asp Tyr Lys Tyr Thr Tyr Trp Ala Cys Gly Val Val Leu Ile Ile
266          420          425          430
267 Ser Gly Ile Tyr Leu Phe Ile Gly Met Gly Ile Asn Tyr Arg Leu Leu
268          435          440          445
269 Ala Lys Glu Gln Lys Ala Asn Glu Gln Lys Lys Glu Ser Lys Glu Glu
270          450          455          460
271 Glu Thr Ser Ile Asp Val Ala Gly Lys Pro Asn Glu Val Thr Lys Thr
272 465          470          475          480
273 Ala Glu Ser Pro Asp Gln Lys Asp Thr Glu Gly Gly Pro Lys Glu Glu
274          485          490          495
275 Glu Ser Pro Val
276          500

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278 &lt;210&gt; SEQ ID NO: 15

279 &lt;211&gt; LENGTH: 22

280 &lt;212&gt; TYPE: DNA

281 &lt;213&gt; ORGANISM: Artificial Sequence

283 &lt;220&gt; FEATURE:

284 &lt;223&gt; OTHER INFORMATION: Primer

286 &lt;400&gt; SEQUENCE: 15

287 ctccggacca.gaaagacaca gc

22

289 &lt;210&gt; SEQ ID NO: 16

290 &lt;211&gt; LENGTH: 20

291 &lt;212&gt; TYPE: DNA

292 &lt;213&gt; ORGANISM: Artificial Sequence

294 &lt;220&gt; FEATURE:

295 &lt;223&gt; OTHER INFORMATION: Primer

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/925,641

DATE: 03/25/2003

TIME: 12:39:43

Input Set : A:\06275-265001.TXT

Output Set: N:\CRF4\03252003\I925641.raw